

Padilla Bay
Post-trip Questionnaire

Date: _____

Name _____

School _____

Grade _____ Teacher _____

Estuary Questions

1. What is an estuary?
 - a. A place where wildlife is protected from hunting and fishing
 - b. A muddy beach
 - c. A place where fresh water from the land mixes with salt water from the ocean
 - d. A bay where building and development are not allowed
 - e. Don't know

2. Which is saltiest?
 - a. Ocean water
 - b. River water
 - c. Estuary water
 - d. Don't know

3. What is a watershed?
 - a. A tank to collect rainwater for gardening
 - b. The area of land that drains into a body of water
 - c. The top blades of eelgrass that shed rainwater
 - d. All the animals that live in a single body of water
 - e. Don't know

4. How are pipefish adapted to life in an eelgrass meadow?
 - a. They look like eelgrass (thin and green), and are camouflaged.
 - b. They can live with very little oxygen in the water.
 - c. Because the eelgrass meadow is very dark, they have learned to give off their own light like fireflies.
 - d. They close up their shells to keep from drying out.
 - e. Don't know

(Turn over for side two.)

5. Why is detritus important in an estuary?
 - a. It is food for many animals.
 - b. It gives the water its beautiful blue color.
 - c. It captures sunlight energy and turns it into food for animals.
 - d. All of the above
 - e. Don't know

6. Why are estuaries important to salmon?
 - a. Adult salmon eat the estuary eelgrass.
 - b. Young salmon find food, shelter, and a place to adapt to salt water.
 - c. Salmon lay their eggs on eelgrass in the estuary.
 - d. They hide in the mud at low tide.
 - e. Don't know

7. Have people built cities on estuaries?
 - a. Yes – most of the world's largest cities are on estuaries.
 - b. No – estuaries are protected from building.
 - c. No – mud around estuaries is too soft to build on.
 - d. Don't know

8. How have people used estuaries?
 - a. For growing fresh water fish.
 - b. For testing deep-water submarines.
 - c. For surfing.
 - d. For food and boating.
 - e. Don't know

9. Do you live in the watershed of an estuary?
 - a. Yes
 - b. No
 - c. Don't know

10. What is the most important thing you learned while studying about estuaries?
(Including what you learned during your field trip to the Padilla Bay Estuary Reserve and what you learned while studying about estuaries in your class.)